



Attorney Docket No. 051252-5200
Application S.N. 09/410,584

AF 283

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7/18/12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mehmet Zeki ALYANAK

Application No.: 09/410,584

Filed: October 1, 1999

For: APPARATUS AND METHOD FOR CHANGING
THE DYNAMIC RESPONSE OF AN
ELECTROMAGNETICALLY OPERATED
ACTUATOR

Group Art Unit: 2832

Examiner: R. Barrera

Commissioner for Patents
Washington, D.C. 20231

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**AMENDMENT AND REQUEST FOR
RECONSIDERATION UNDER 37 C.F.R. § 1.116**

Sir:

In response to the Final Office Action mailed on **April 11, 2002**, the period for replying
extending through July 11, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 1, 21, 22, 28 and 32 as follows:

1. (Twice Amended) An apparatus, comprising:

- an armature having at least one groove formed on an exterior surface thereof;
- a sleeve extending along an axis, the armature being disposed for movement in a first direction and a second direction opposite the first direction along the axis in the sleeve;
- an electromagnetic coil operative to cause movement of the armature along the longitudinal axis as a response to energization of the electromagnetic coil;
- a single continuous spring member disposed in the at least one groove in the armature and in direct sliding contact with the sleeve, wherein the spring member exerts a radially outwardly

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